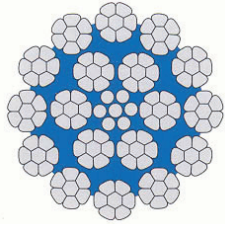


# NON ROTATING WIRE ROPE

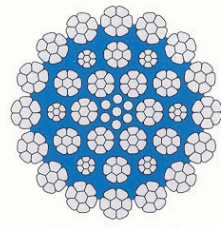


Franklin Offshore Australia can source a wide variety of Non Rotating ropes to suit any needs, below are some of the ropes we have on offer.



## 19x7 Compact Wire Rope

This is a high strength rotation resistant hoist rope and is suitable for use on single part and multi-part hoist reeving systems. It has high fatigue life and increased abrasion resistance resulting from the unique compaction process. This rope has increased resistance to crushing, therefore it is recommended for multi-layer spooling operations.



## 35 x 7 Compact Wire Rope

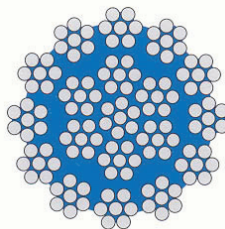
This has a higher strength than other low rotation hoist ropes and is suitable for use on single part and multi-part hoist reeving systems. This rope offers high fatigue life and increased abrasion resistance resulting from the unique compaction process. It has increased resistance to crushing and is recommended for multi-layer spooling operations.

### 19x7 Compact Standard Characteristics:

- Construction: 6mm-19mm 18xK7 (12xK7:6xK7-1x7)  
20mm-32mm 18K19S(12xK19S:6xK19S-1x19S)
- Compacted: Yes
- Tensile Grade N/mm<sup>2</sup>: 1960
- Lay Direction: Right Hand
- Finish: Galv
- Lay Type: Langs

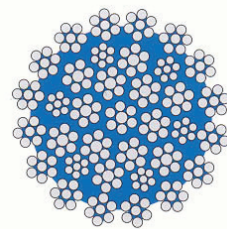
### 35x7 Compact Standard Characteristics:

- Construction: 10mm-40mm 35xK7  
(16xK7:6xK7+6xK7-6xK7-1x7)
- Compacted: Yes
- Tensile Grade N/mm<sup>2</sup>: 1960/2160
- Lay Direction: Right Hand
- Finish: Bright/Galv
- Lay Type: Langs



## 19 x 7 Round Strand Wire Rope

This is high quality rotation resistant hoist rope and is suitable for use as a main hoist rope for both mobile and tower cranes. It has good resistance to rotation with consistent performance. This rope is also available in fibre core construction.



## 35 x 7 Round Strand Wire Rope

is a high quality flexible hoist rope and is suitable for use on single part and multi-part hoist reeving systems. This rope provides maximum resistance to rotation and the Langs Lay construction offers maximum resistance to wear.

### 19x7 Round Strand Standard Characteristics

- Construction: 19x7 (12x7:6x7-1x7)
- Compacted: No
- Tensile Grade N/mm<sup>2</sup>: 1960/2160
- Lay Direction: Right Hand
- Finish: Galv
- Lay Type: Langs

### 35x7 Round Strand Standard Characteristics

- Construction: 35x7 (16x7:6x7+6x7-6x7-1x7)
- Compacted: No
- Tensile Grade N/mm<sup>2</sup>: 2160
- Lay Direction: Right Hand
- Finish: Galv
- Lay Type: Ordinary/Langs

### 19x7 Wire Rope

Rope Dia. (mm)	Approx Mass (kg/100m)	Minimum Breaking Force Galvanised & Ungalvanised Rope Grade					
		1960N/mm <sup>2</sup>		2070N/mm <sup>2</sup>		2160N/mm <sup>2</sup>	
		kN	t	kN	t	kN	t
6	14.8	23.1	2.35	-	-	27.0	2.8
8	25.8	41.2	4.2	-	-	48.6	5.0
9	33.3	56.5	5.8	-	-	61.0	6.2
10	40.4	67.9	6.92	90.8*	9.26*	75.6	7.7
11	48.7	84.0	8.6	-	-	90.7	9.3
12	60.3	92.6	9.43	-	-	109	11.1
13	70.0	106	10.8	153*	15.6*	127	13.0
14	81.7	137	14.0	177*	18.1*	148	15.1
15	92.9	-	-	-	-	169	17.3
16	105	159	16.2	239*	24.4*	194	19.8
17	117	-	-	-	-	219	22.4
18	133	-	-	303*	30.9*	244	24.9
19	147	-	-	338*	34.5*	273	27.9

### 35x7 Compact Wire Rope

Rope Dia. (mm)	Approx Mass (kg/100m)	Minimum Breaking Force Galvanised & Ungalvanised Rope Grade					
		1960N/mm <sup>2</sup>		2070N/mm <sup>2</sup>		2160N/mm <sup>2</sup>	
		kN	t	kN	t	kN	t
10	51.4	73	7.44	-	-	-	-
12	72.9	131	13.4	-	-	141	14.4
13	73.2	155	15.8	-	-	-	-
14	97.1	181	18.4	-	-	-	-
15	113	-	-	210	21.5	221	22.5
16	130	219	22.3	240	24.4	252	25.7
18	159	229	23.3	303	30.9	321	32.7
19	178	331	33.8	339	34.5	358	36.5
20	197	360	36.6	375	38.2	399	40.7
22	240	444	45.3	453	46.2	484	49.4
24	286	531	54.2	540	55	572	58.3
26	340	621	63.3	633	64.5	661	67.4
28	391	720	73.4	734	74.8	788	80.4

\*Denotes Compact Wire Rope